



Montana Department of Transportation  
PO Box 201001  
Helena, MT 59620-1001

P. Ferry

## Memorandum

To: Distribution

Carl S. Peil, P.E.  
Preconstruction Engineer

January 27, 2003

Subject: Back Slope Rounding

As the result of discussions with the District Construction Engineers we have determined that back slope rounding will be eliminated. The back slope rounding is not always constructed and is rarely constructed as currently shown in the plans. This results in a disparity between the actual and planned excavation quantities.

The District Construction Engineers indicated that if the construction limits are based on the catch point, there might not be sufficient right-of-way at the top of cuts for the placement of utilities or the construction of furrow ditches. Therefore, a simplified rounding detail has been developed. This will result in a construction limit that is 2 meters beyond the back slope catch point regardless of the back slope (see attached detail).

The simplified rounding will be placed on the cross sections while drawing the proposed cross sections, using an updated criteria file. The attachment titled "30 Limits of Construction" will place the construction limits based on the simplified rounding. Since the rounding will now be on a separate level, the rounding will be eliminated from the calculation of the earthwork quantities just by using the current procedures.

The following note will replace the current note in the plans

"Note: Back slope rounding is not measured for payment. Include the cost of back slope rounding in the unit price bid for Unclassified Excavation."

The attached simplified rounding detail will also need to be added to the note sheet in the plans and the note indicating that back slope rounding should be done in accordance with the Detailed Drawings should be eliminated.

If it is determined that additional R/W is needed to accommodate utilities or furrow ditches or to address slope stability, a formal request needs to be submitted to the Right-of-Way Bureau after the Plan-in-Hand review has been held and prior to completion of Activity 224 (Final Construction Limits to R/W Bureau).

The back slope rounding will be eliminated from all projects that do not have the 218

Activity (Prepare Plans for Plan-in-Hand) completed by March 30, 2003. If you would like additional information call me at 444-6242 or Paul Ferry at 444-6244.

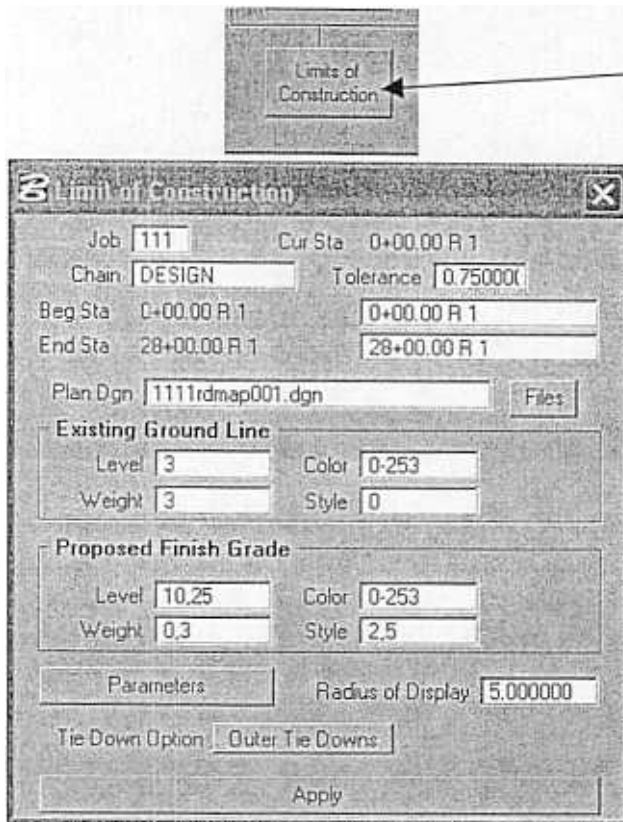
CSP.pf

#### Attachments

Distribution:	C. S. Peil	M. P. Johnson
	R. E. Williams	W. L. McChesney
	J. Horton	B. A. Barrett
	T. S. Martin	J. Ebert
	B. Wade	L. E. Frazier
	M. A. Wissinger	W. Scott
	R. D. Morgan	P. Ferry

SEE NEW MTSS/.X ON  
CADDSTD/RDSTD/CRIT

### 30 Limits of Construction



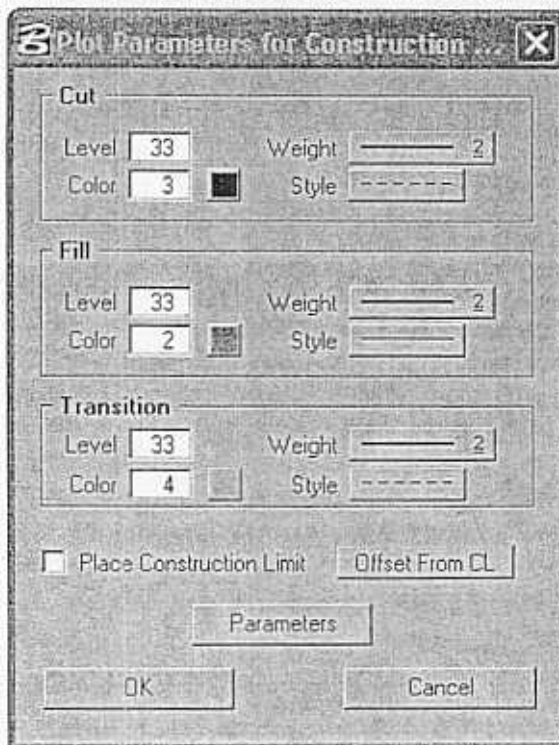
In Project manager Select **Limits of Construction**.

You can rename or create a new run (see page 21-1)

If you are using the Define Alignment this will fill-in all of this dialog.

See Define Cross Section View page 20-3

Note: You will need to set the Beg. And End Station to the limits of your proposed surfacing.



Set the following

Cut Symbology

- a) Level = 33
- b) Weight = 2
- c) Style = 2

Fill Symbology

- a) Level = 33
- b) Weight = 2
- c) Style = 0

Transition Symbology

- a) Level = 33
- b) Weight = 2
- c) Style = 1

If you check Place Construction Limit (labels) see new dialog.

